

HISTORIC AMERICAN ENGINEERING RECORD

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Jet Propulsion Laboratory Edwards Facility, HAER No. CA-163-M  
Mixer (Building 4233/E-34)  
Edwards Air Force Base  
Boron Vicinity  
Kern County  
California

Photographers' Credits:

Credit BG: Brian Grogan, Photography &  
Preservation Associates, Inc., September 1995  
Credit WCT: Photographic copy of JPL photograph  
by William C. Tibbitts, date cited in caption

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- CA-163-M-1** Credit BG. View looks west (286°) at the east facade. This structure stands between two blast barricades, which protect surrounding structures from damage in case an explosion were to occur while propellants were being mixed in the 150-gallon Baker-Perkins mixer.
- CA-163-M-2** Credit WCT. Original 4" x 5" black and white print housed in the JPL Archives, Pasadena, California. This view displays the west elevation of the mixer building and barricades. The slide from the second floor balcony (missing in 1995) provided rapid emergency evacuation for personnel in case of fire or other imminent danger. JPL negative 384-10506, 7 July 1964.
- CA-163-M-3** Credit WCT. Original 2-1/4" x 2-1/4" color negative is housed in the JPL Photography Laboratory, Pasadena, California. The mixing pot of the 150-gallon (Size 16-PVM) Baker-Perkins vertical mixer appears in its lowered position, exposing the mixer paddles. JPL employees Harold "Andy" Anderson and Ron Wright in protective clothing demonstrate how to scrape mixed propellant from mixer blades (JPL negative JPL-10284BC, 27 January 1989).

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**CA-163-M-4**

This photocopy of an engineering drawing shows the Baker-Perkins 150-gallon mixer installation in the building. Austin, Field & Fry, Architects Engineers, 22311 West Third Street, Los Angeles 57, California: Edwards Test Station Complex, Jet Propulsion Laboratory, California Institute of Technology, Edwards Air Force Base, Edwards, California: **"150 Gallon Mixer System Bldg. E-34, Plans, Sections & Details,"** drawing no. E34/6-0, 10 July 1963. California Institute of Technology, Jet Propulsion Laboratory, Plant Engineering: engineering drawings of structures at JPL Edwards Facility. Drawings on file at JPL Plant Engineering, Pasadena, California.